ABSTRACT

A multiplexer (10a) generates data by assigning different packet identifiers to (i) one of coded video data and coded audio data, and (ii) table data regarding the coded data, and packet-multiplexing the coded data and the table data. The multiplexer (10a) includes a sub-descriptor generating unit (14) which generates sub-descriptors, each including a sub-tag value representing a type of side information representing a parameter for decoding the coded data, and the side information; a descriptor generating unit (11) which generates a main descriptor including the sub-descriptors, and a main tag value representing a set of the sub-descriptors; and a table generating unit (12) which generates the table data, by associating the main descriptor with the packet identifier of the coded data. The sub-descriptor generating unit (11) outputs the sub-descriptors in an order defined by a predetermined storage rule.